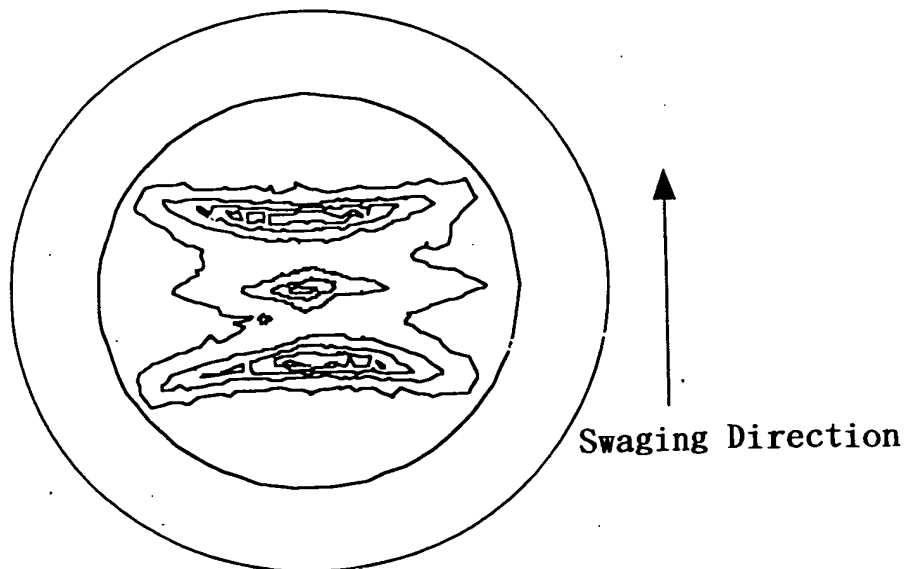


FIG. 3



1 Scale: 1,000cps

(110) Polar Figure Obtained in Sample No. 1

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FIG. 2

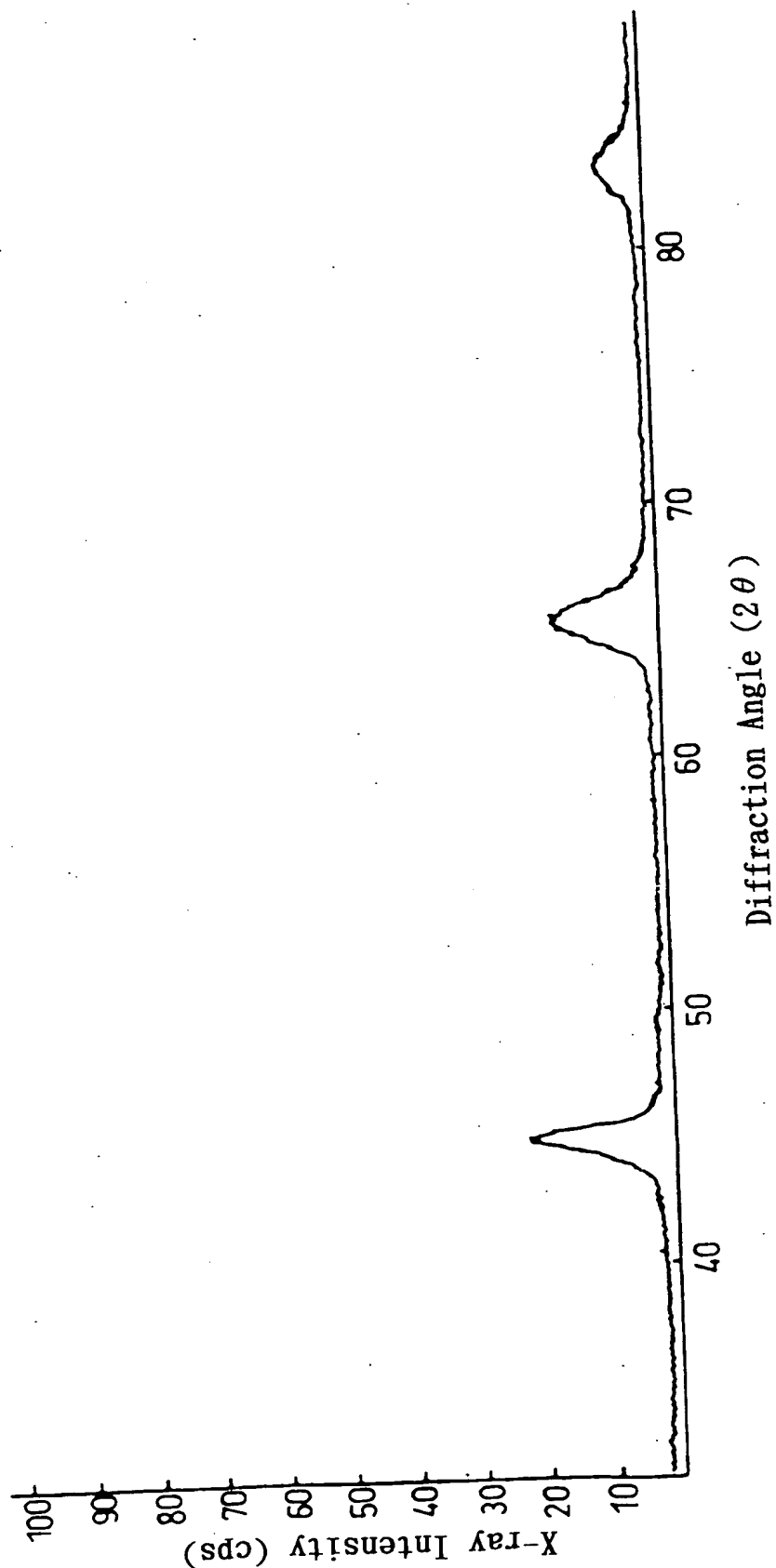
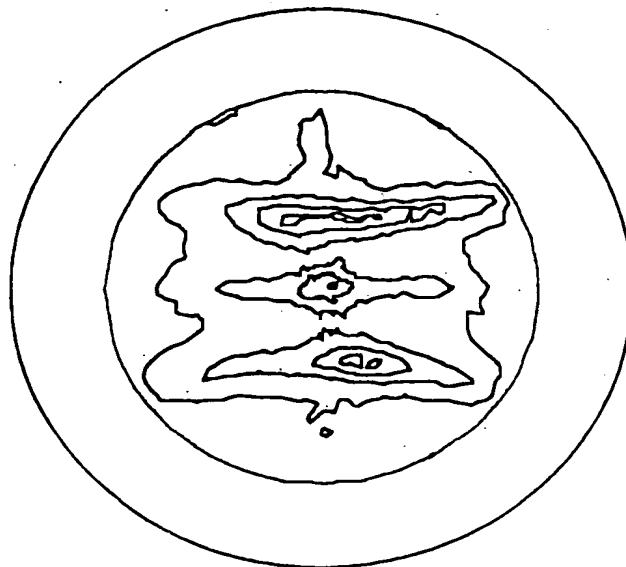


FIG. 4

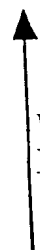
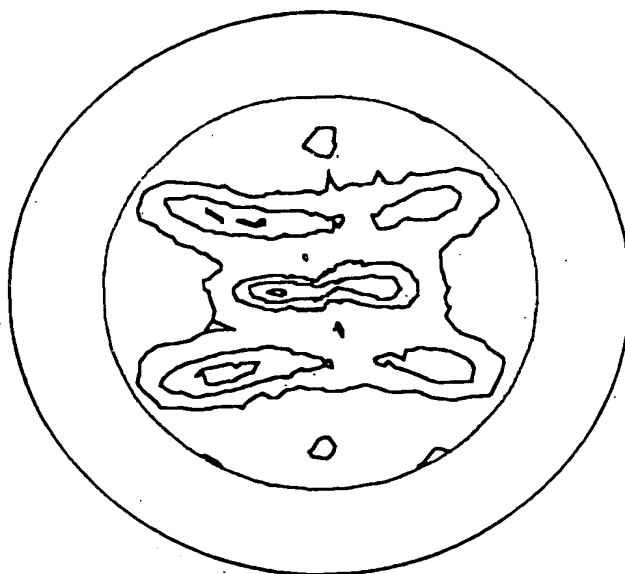


Working
Direction

1 Scale:1,000cps

(110) Polar Figure Obtained in Sample No. 4

FIG. 5



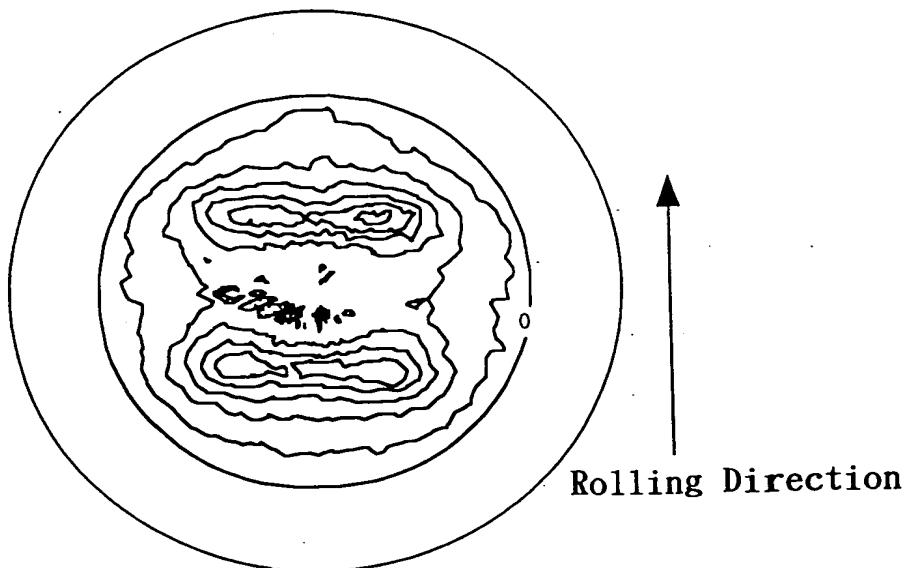
Working
Direction

1 Scale:1,000cps

(110) Polar Figure Obtained in Sample No. 5

10040000 040000

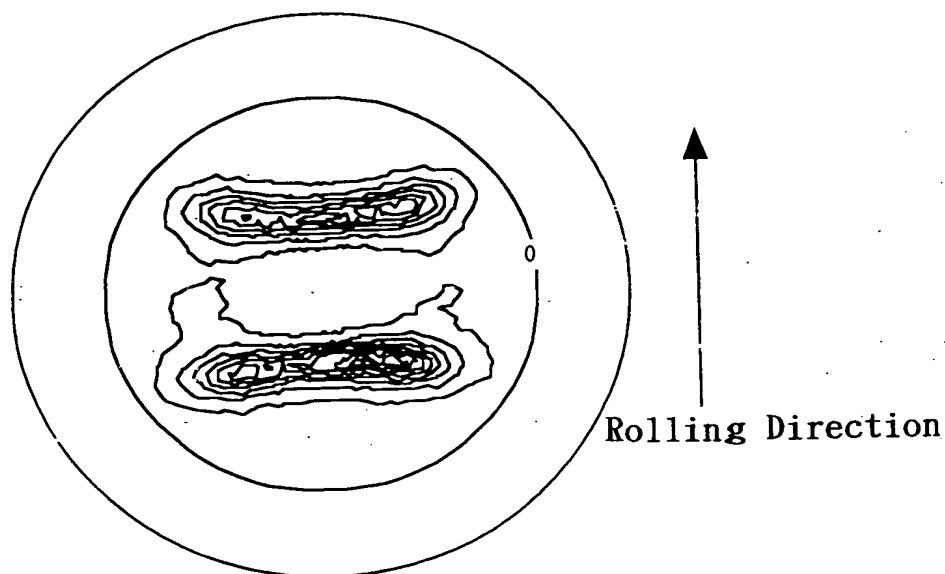
FIG. 6



1 Scale: 500cps

(110) Polar Figure Obtained in Sample No. 2

FIG. 7

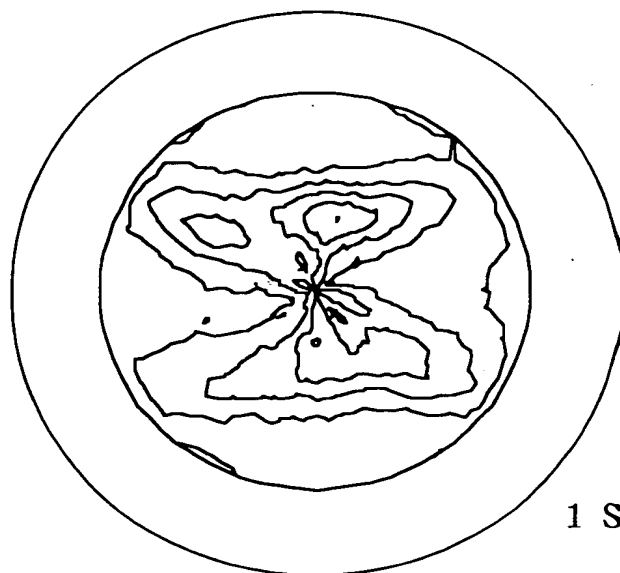


1 Scale: 1,000cps

(110) Polar Figure Obtained in Sample No. 3

10049283 010300

FIG. 8



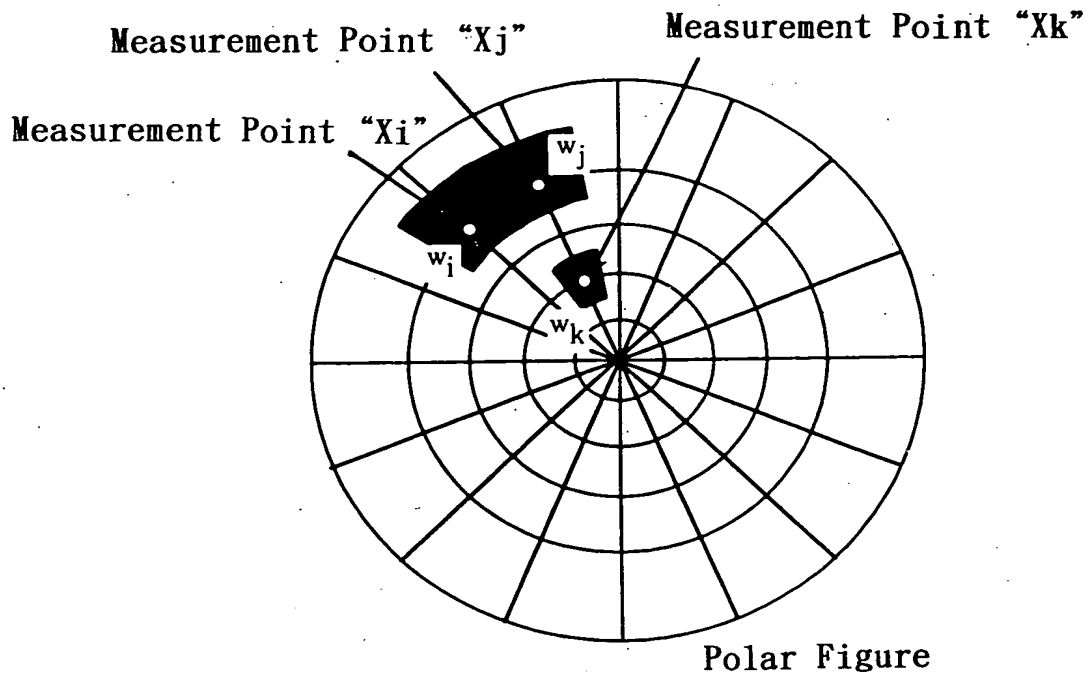
1 Scale:500cps

Swaging Direction

(110) Polar Figure Obtained in Comparative Sample

10019283 040200 202070 202070

FIG. 9



Definition of "w" Constituting Weighting
Function "W" (Only 3 examples are shown.)

20201010 10:00:00

FIG. 10

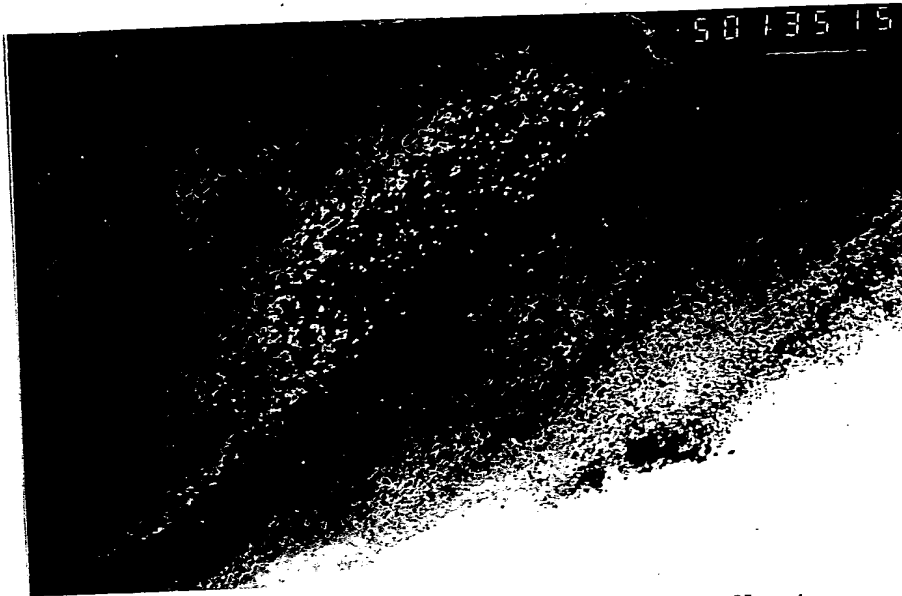
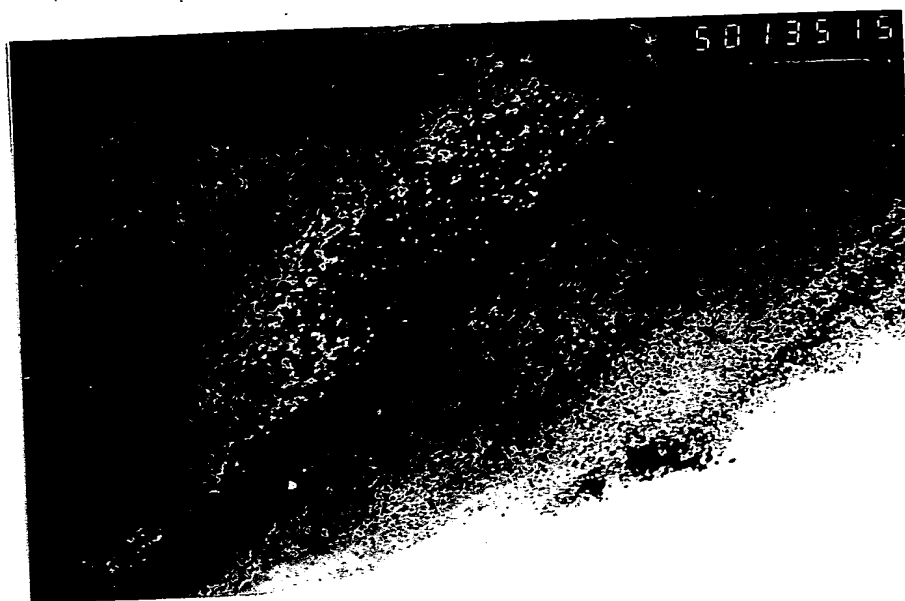
TEM Observation Result on Sample No.1
(Bright Field Image)

FIG. 11

TEM Observation Result on Sample No.1'
(Bright Field Image)

10049283 040202

FIG. 10



TEM Observation Result on Sample No. 1
(Bright Field Image)

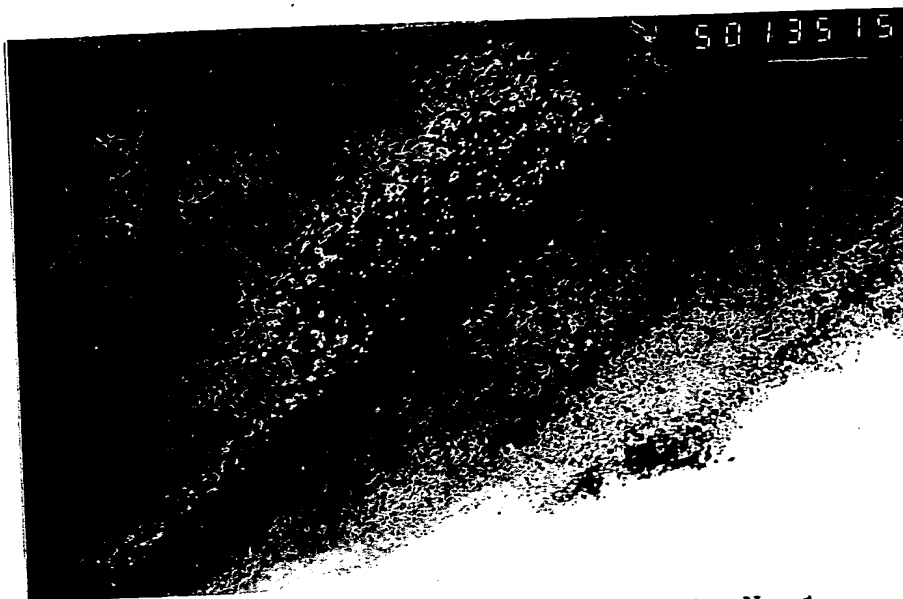
FIG. 11



TEM Observation Result on Sample No. 1
(Bright Field Image)

10019283 010202

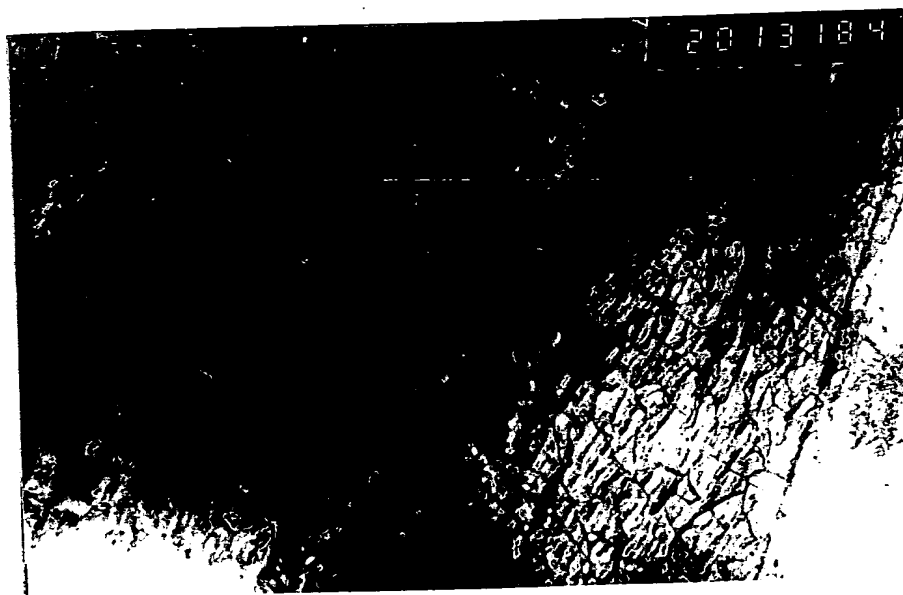
FIG. 10



400nm

TEM Observation Result on Sample No.1
(Bright Field Image)

FIG. 11



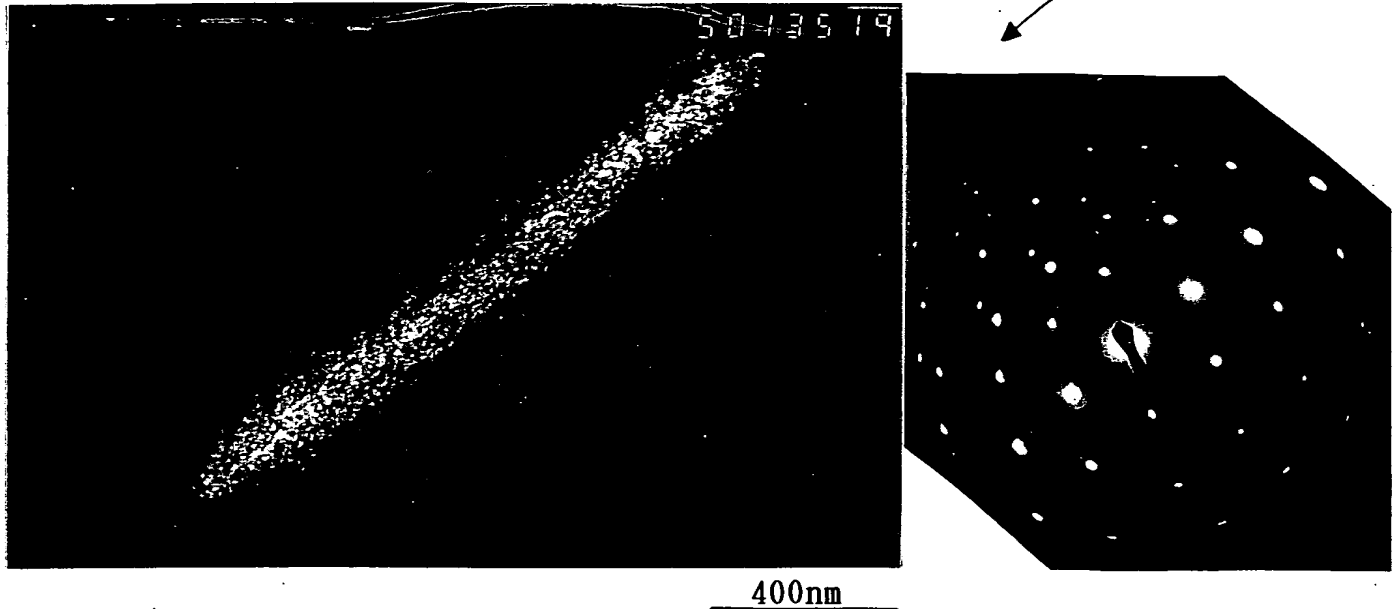
1 μ m

TEM Observation Result on Sample No.1'
(Bright Field Image)

202010 04000

FIG. 12

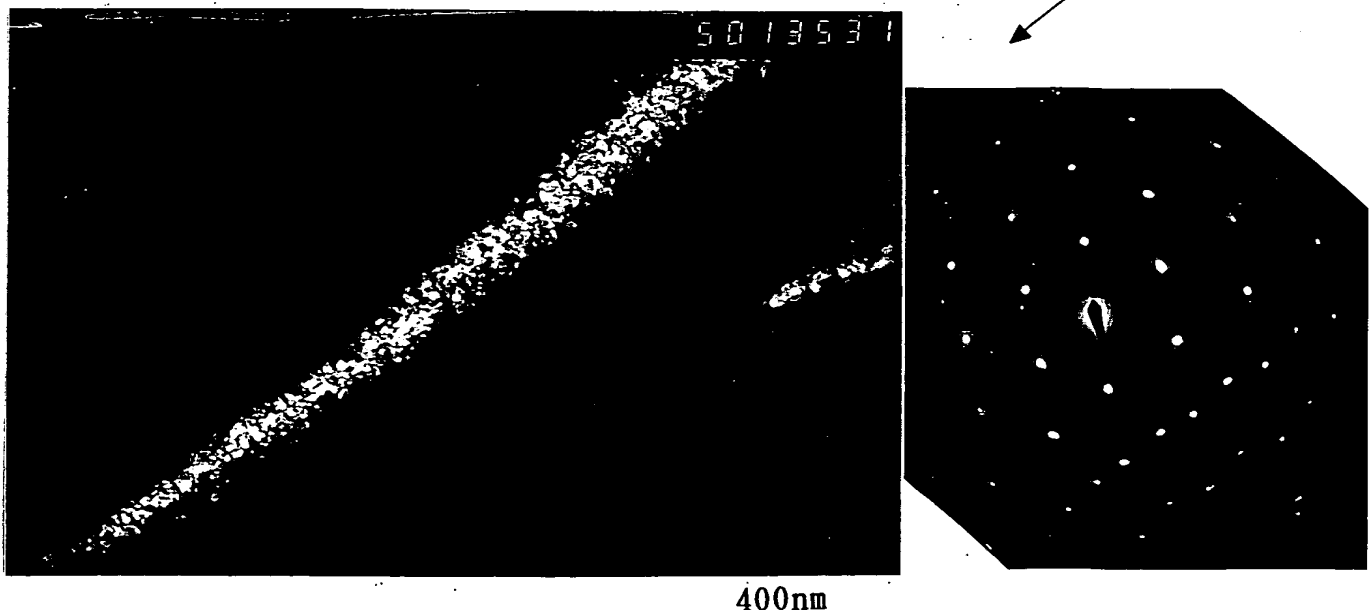
Rotary Center of Goniometer



TEM Observation Result in Sample No.1
Electron Diffraction Pattern and Dark Field
Image Using 110 Diffraction Point
Value read by goniometer was -16.3° .

FIG. 13

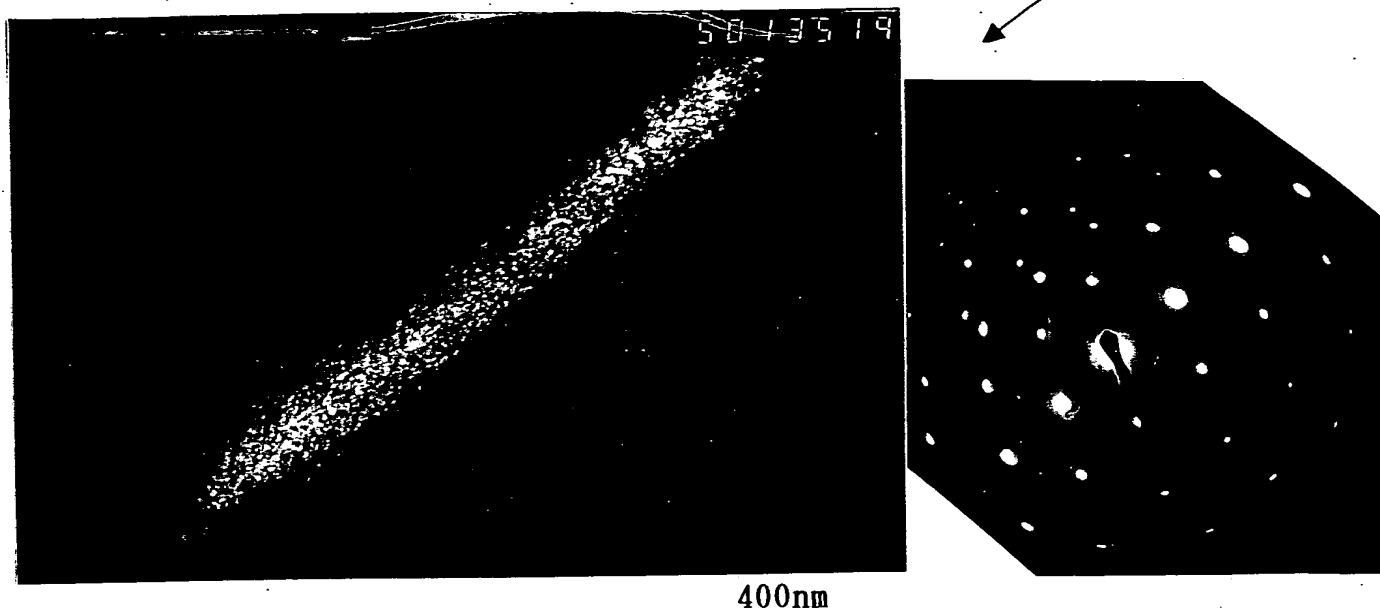
Rotary Center of Goniometer



TEM Observation Result in Sample No.1
Electron Diffraction Pattern and Dark Field
Image Using 110 Diffraction Point
Value read by goniometer was 6.1° .

FIG. 12

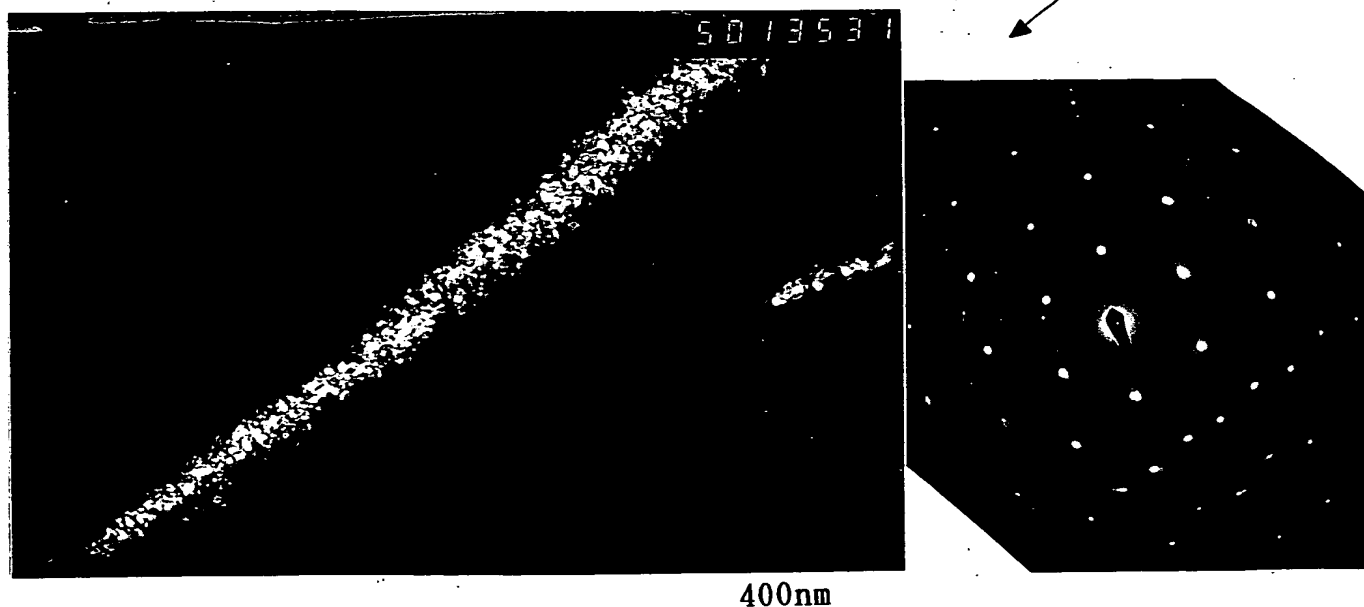
Rotary Center of Goniometer



400nm
TEM Observation Result in Sample No.1
Electron Diffraction Pattern and Dark Field
Image Using 110 Diffraction Point
Value read by goniometer was -16.3° .

FIG. 13

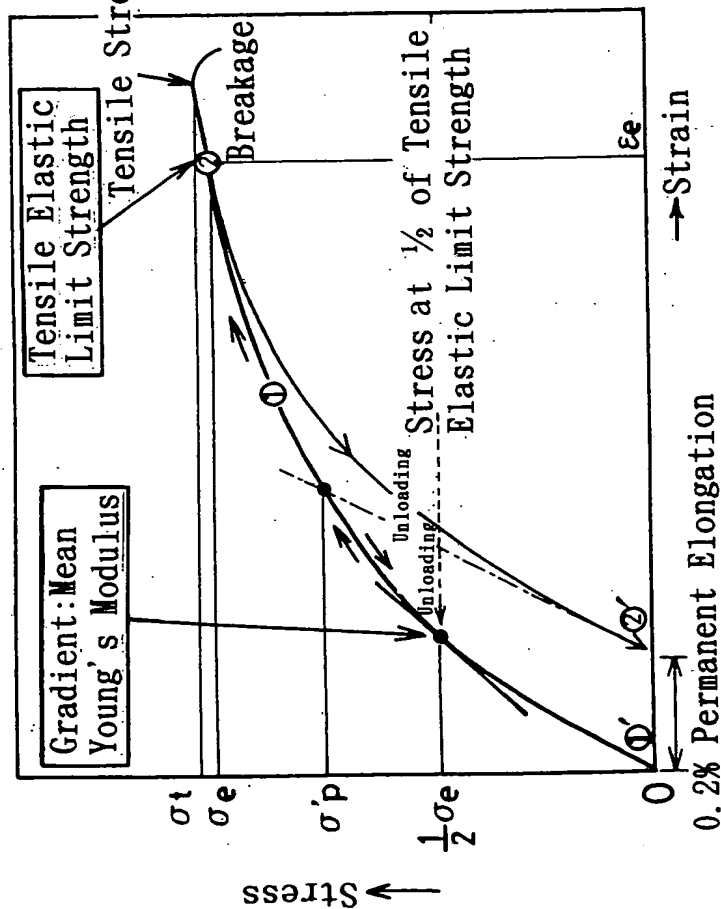
Rotary Center of Goniometer



400nm
TEM Observation Result in Sample No.1
Electron Diffraction Pattern and Dark Field
Image Using 110 Diffraction Point
Value read by goniometer was 6.1° .

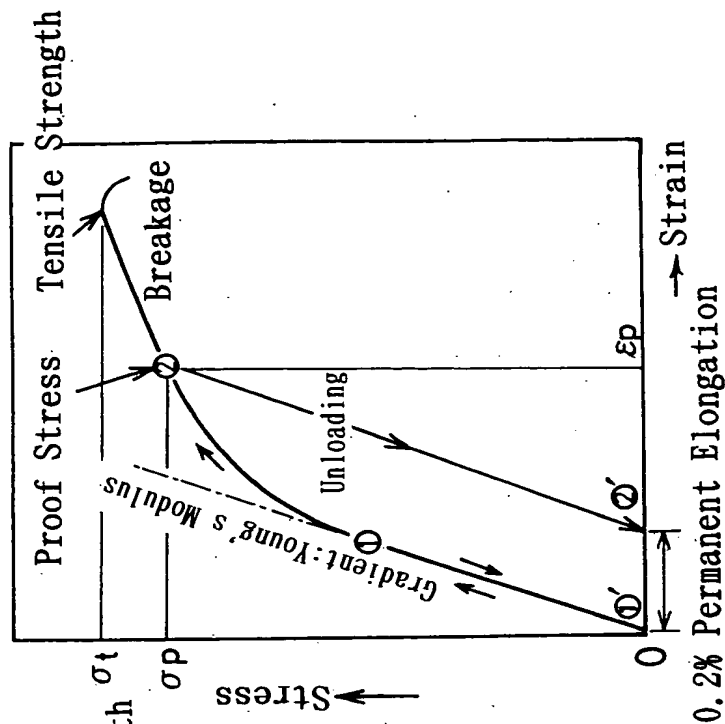
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FIG. 14A



Titanium Alloy of Present Invention

FIG. 14B



Conventional Titanium Alloy